# Multi-Role Radar System

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# System Description

## System Description:

The MRRS will provide lightweight, expeditionary, three-dimensional radar capable of detecting Cruise Missiles (CMs), fixed and rotary winged aircraft, Unmanned Aerial Vehicles (UAVs) and an enhanced Combat Identification (CID) capability. The system will augment the AN/TPS-59(V)3 sensor coverage and will be integrated into the Navy's Cooperative Engagement Capability (CEC) and the Marine Corps Composite Tracking Network (CTN). Additionally, the system shall provide Air Traffic Control (ATC) with a real time display of all air activity within the assigned area of responsibility and will support the situational awareness and cuing for Stinger, Avenger, and CLAWS. The system will be rugged enough to support a wide range of tactical operations in all types of weather and terrain conditions. The MRRS will replace the AN/TPS-63B two dimensional, medium range, air surveillance radar system, the AN/TPS-73 Air Traffic Control Radar System, the AN/UPS-3 Tactical Defense Alert Radar (TDAR), and the AN/MPQ-62 Continuous Wave Acquisition Radar (CWAR

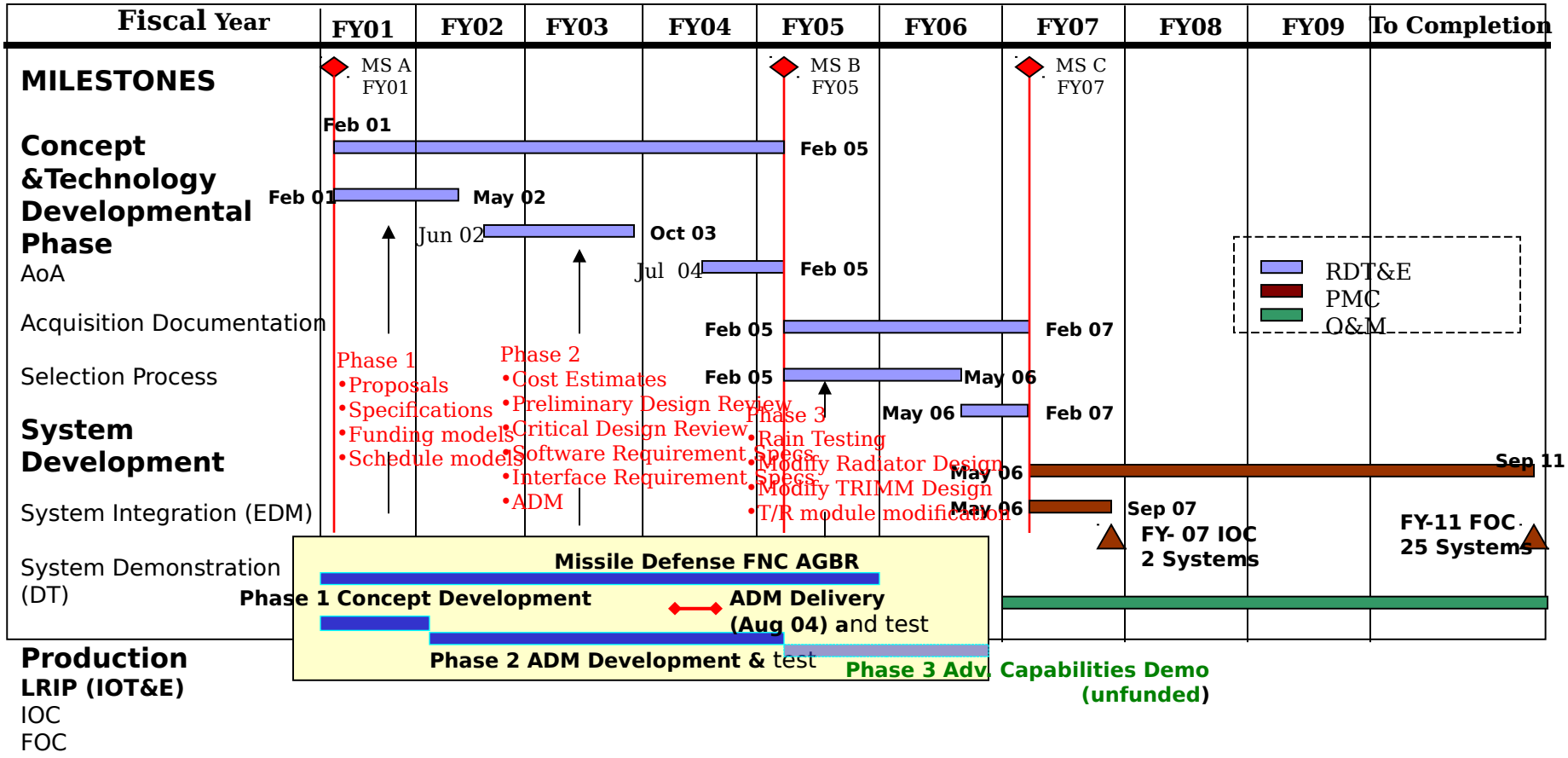
# System Description

- Lightweight, 3-D radar
- Highly mobile (HMMWV mounted)
- Detects small ABTs, CMs, UAVs
- Integrated into CEC/CTN
- Provides increased situational awaren
- Gap filler radar augments AN/TPS-59(
- Provides Tactical Air Surveillance, Air
  Traffic Control Surveillance and Weap
- Operate in all types of weather and te

# Capabilities Provided

- Current Systems Capabilities:
  - 4 fielded systems
    - 10 AN/TPS-63B – Tactical Air Surveillance
    - 17 AN/TPS-73 – Air Traffic Control Surveillance
    - 16 AN/MPQ-62 – Weapons Cuing (SHORAD)
    - *59 AN/UPS-3 – Tactical Defense Alert Radar*
- MRRS Added Capability:
    - Detect low level small radar cross section targets
    - Highly mobile (HMMWV mounted)

# Milestone Schedule




(*in thousands of current year dollars)